Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/30/2020 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125420	0	1.57	125525	1.57
Blue	F	SSC	125000	124963	-1	1.63	125738	1.67
Blue	E	FITC	15892	15414	-4	2.62	334	19.73
Blue	D	PE	29999	29735	-1	1.86	648	14.1
Blue	B	PerCP-Cy5-5	43732	43679	-1	3.61	1167	20.04
Blue	A	PE-Cy7	30845	31000	0	5.98	598	40.18
Red	C	APC	46112	45963	-1	2.53	1622	12.26
Red	A	APC-Cy7	30458	29599	-3	2.38	792	11.77
Violet	B	V450	7918	7614	-4	4.43	427	12.68
Violet	A	V500	32171	30906	-4	4.25	719	10.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17823	7.1	619	-2	N/A	N/A	Pass
Blue	F	SSC	57053	1.22	564	5	N/A	N/A	Pass
Blue	E	FITC	61	62.06	541	-2	0.0207	100	Pass
Blue	D	PE	136	46.82	548	0	0.1744	246	Pass
Blue	B	PerCP-Cy5-5	216	49.09	656	0	0.0094	63	Pass
Blue	A	PE-Cy7	108	101.44	699	1	0.0112	18	Pass
Red	C	APC	389	24.86	589	5	0.0235	86	Pass
Red	A	APC-Cy7	174	28.66	559	3	0.0058	1162	Pass
Violet	B	V450	65	57.91	458	0	0.0590	2160	Pass
Violet	A	V500	107	33.57	474	0	0.0220	653	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.19	-32.79	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.96	13.60 - 20.40	N/A	N/A	30.29	30.68	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10501

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments